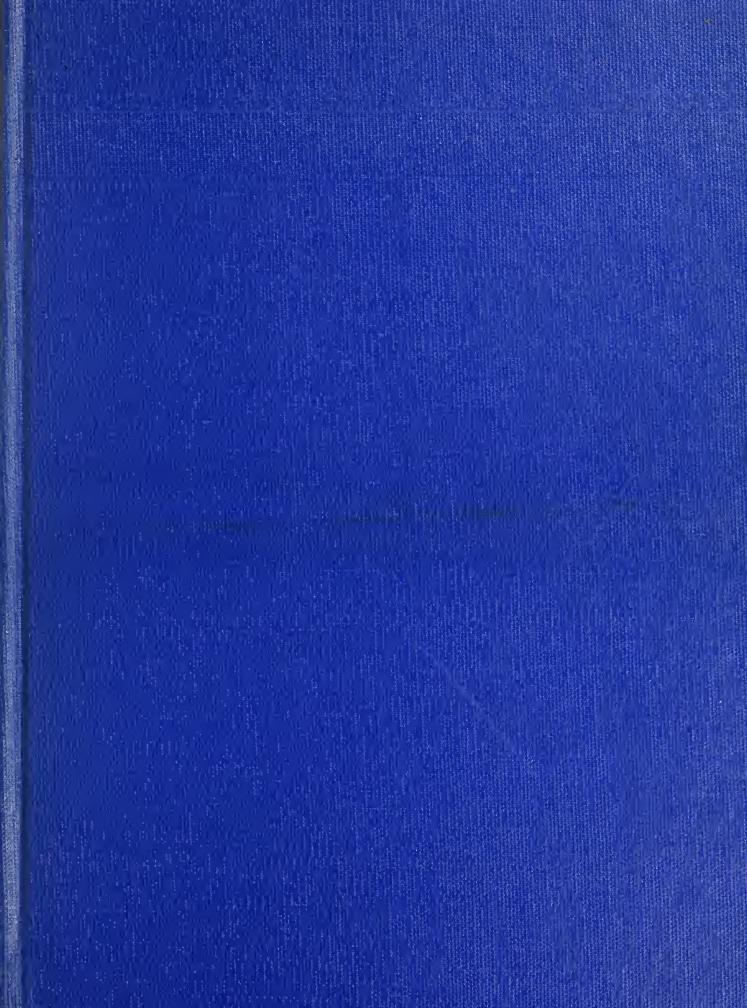
## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.

















WATER SUPPLY OUTLOOK

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

for

WYOMING

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE, and
STATE ENGINEER of WYOMING

Data included in this report were obtained by the agencies named above in cooperation with the Bureau of Reclamation, U.S. Forest Service, National Park Service, and other Federal, State and private organizations.

FEB. 1, 1964

#### UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Water Supply Forecasting Unit, Soil Conservation Service, P.O. Box 2807, Portland, Oregon 97208.

#### PUBLISHED BY SOIL CONSERVATION SERVICE

REPORTS	ISSUED	LOCATION	COOPERATING WITH
RIVER BASINS			
WESTERN UNITED STATES	MONTHLY (FEBMAY) Po	RTLAND. OREGON	ALL COOPERATORS
BASIC DATA SUMMARY.	OCTOBER 1 Po	RTLANO, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MARMAY)P	ALMER, ALASKA	_ ALASKA S.C.D.
AR I ZON A	SEMI-MONTHLY P (JAN.15 - APR.1)	HOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEBMAY) F	ORT COLLINS, COLORACO_	— COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JANJUNE) B	OISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JANJUNE) B	OZEMAN. MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JANMAY) R	ENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESQUECES - DIVISION OF WATER RESOURCES
ORE GON	MONTHLY (JANJUNE) P	ORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN JUNE) S	ALT LAKE CITY, UTAH	_ UTAH STATE ENGINEER
WASHINGTON-	MONTHLY (FEB. JUNE) S	POKANE, WASHINGTON	_ WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEBJUNE)C	ASPER, WYOMING	_ WYOMING STATE ENGINEER
	PUBLISHED BY C	OTHER AGENCIES	
REPORTS	ISSUED		AGENCY
BRITISH COLUMBIA	MONTHLY (FEBJUNE)	WATER RESOURCE FOREST AND WATER VICTORIA, B.C.,	S SERVICE, DEPT. OF LANDS, R RESOURCES, PARLIAMENT BLDG., CANAOA
CALIFORNIA	MONTHLY (FEBMAY)	CALIF. DEPT. OF	WATER RESOURCES, P.O. BOX 388.

SACRAMENTO, CALIF.



# INDEX TO WYOMING SNOW COURSES

						_											
	WYOMING NUMBER	ELEV.	LOCATION SEC. LAT.	1 Τ₩Ρ.	RANGE LONG.	RECORD BEGAN	MICHO!	MEAS. 8Y b	DRAINAGE BASIN ANO COURSE NAME	WYOMING NUMBER	ELEV.	SEC.	T₩P,	RANGE LONG.	RECORO BEGAN	MEAS, DATES a	MEAS. BY b
		MISSOU	RI RIVER	ORAINA	AGE						#1SSO	URI RIVE	R ORAINA	.GE			
MADISON RIVER									POWDER RIVER				Lev	05 111	1060	0 7 1. 6	
Norris Basin 21 Mile m West Yellowstone m	10E2 11E6 11E7	7500 7150 6700	3年 日 村 村	11S 13S	5€ 5€ 110 년21	1934 1934 1934	2,3,4.5 1,2,3,4.5 1,2,3,4.5		Bear Trap Canyon Creek Clouds Peak County Line	7F1A 7F2 7E36A 7E6MP 6E2	8000 7400 10000 8200 7800	10 16 15 1	15N 13N 51N 18N 18N	85 W 86 W 85 W 86 W 81 W	1960 1960 1960	2,3,4,5 2,3,4,5 2,3,4	
YELLOWSTONE									Muddy Creek G.S. Munkres Pass	7E8 7E27#	9700 8100	11 31	79N	85 W 85 W	1950 1956	2,3,4,5	i
Canyon Cooke City m	10E3 1007#P	7750 7400	744年1	9s	110 301	1938 1937	1,2,3,4,5		Onion Gulch Soldier Park	7E5 6EI	8700 8500	36 17	51 N 49 N	85W 84W	1950 1936	2,3,4,5	1,6
Crevice Mountain m East Entrance	1 005 9E5MP	8400 7000	22 14 29 °	98	9E 110 001	1935 19 <u>1</u> 8	3,4 1,2,3,4,5		Sour Oough	001	-,		7/-				
Lake Camp #1, #2 Lupine Creek Thumb Divide Sylvan Pass	10E4M 10E1 10E7 10E5	7850 7300 7900 7100	所 58: 所 27: 所 27:		110 24' 110 37' 110 35' 110 02'	1937 1938 1946 1936	1,2,3,4,5 1,2,3,4,5 2,3,4 1,2,3,4,5	5	SWEETWATER  Grannier Meadows  Larsen Creek  South Pass	8G4 9G6A 8G3MP	9000 9000 9000	19 12 13	30N 30N 30N	100W 103W 101W	1937 1949 1939	2,3,4,5 2,3,4,5 2,3,4,5	 
CLARK'S FORK									LARAMIE RIVER								
Lodgepol e	9E1	8200	32	56N	106W	1940	2,3,4,5	1,4	Brooklyn Lake #2	6H1#P	10200	ĮI.	16N	79W	1956	2,3,4,5	- 1
WIND RIVER									Cameron Pass C Qeadman Hill c	5 <b>J</b> 1	10285	2 26	6N 10N	76W 75W	1937	3.4.5	
Big Worm Burroughs Creek	9F12 9F4	8800 8800	36 15	42N 43N	109W 107W	1955 1948	2,3,4,5	1	Evans Foxpark	6н15 6н12Р	9200	21	12N 13N	78w 78w	1960 1936	2,3,4,5	4
Oinwoodie	9F10 9F17A	10000	8 43 16	3N	6w 109 381	19 <u>4</u> 8 1959	2,3,4,5	1,3	Hairpin Turn #3 Libby Lodge #2	6н2 6н3	9500 8700	2 <u>1</u> 4	16N 16N	79 W 78 W	1936 1936	2,3,4,5	-
Oinwoodie Glaciers Dry Creek	9F9 9F6	9500 8750	10 27	3N 42N	6W 108W	1948 1940	2,3,4,5	1,3	Lost Lake c McIntyre c	5J23 5J15	9300	32 35	8N I 0 N	75W 76W	1949	2,3,4,5	
OuNoir Geyser Creek Little Worm	9F7 9F8	8500 9500	12 2L	TIN TIN	108W 108W	1948	2,3,4,5	İ	Pole Mountain #2 Roach c	5HI 6J12A	8700 9800	35 5	15N 10N	72W 77W	1936 1940	2,3,4,5	-
Sheridan R.S. #2 T-Cross Ranch	9F14 9F3	7500 8000	3	42N 43N	109W 107W	1955	2,3,4,5	1	CROW CREEK								
Togwotee Pass	10F9MP	9600	29	117N	110W		2,3,4,5	5	Pole Mountain #2	5H1	8700	35	15N	72W	1936	2,3,4,5	1
POPO AGIE RIVER									NORTH PLATTE	· · ·							
Blue Ridge	862 865	9500 6500	23 24	31 N 32 N	101W 101W	1939 1955	2,3,4,5	1	Albany	бниа	9400	18	14N	78W	1949	2,3,4,5	1
Bruce's Camp Hobbs Park	963	10000	22	25 25	3W 3W	1948	2,3,4,5	i ,3	Bottle Creek Boxelder #2	6н8 561	8200 9000	24 31	14N 30N	85 W 75 W	1936 1950	2,3,4,5	1,6
Mosquito Park R.S. Sawmill Glade	9GL 8GI	8500	3	31N	101W   W   O	1939	2,3,4,5	\'	Cameron Pass Casper Mountain	5JI 6GI MP	10285 8700	2	6n 32n	76W 79W	1936 1954	2,3,4,5	.5 I
South Pass St. Lawrence R.S.	9F11	9000	13 26	30N I N	4w	1939 1940	2,3,4,5	1,3	Columbine c	6J3 6J4	9300 8700	21	5N 10N	82 W 85 W	1936 1936	2,3,4,5	1
Trout Creek Twenty Lakes	962 967A	8400 105 30	5 22	2S 1S	2₩ 5₩	1948 1959	2,3,4,5	1,3	Foxpark LaBonte	6H12P 5G2	9200 8450	21	13N 27N	78W 7LW	1936	2,3,4,5	4
OWL CREEK									North Barrett Creek North French Creek	6Н5НА 6НЦРА	9400	30 27	16N 16N	80W 80W	1936	2,3,4,5	1,6
Owl Creek	8F1	8700	36	L3N	1 01 W	1948	2,3,4,5	1	Northgate c	6J7 6HI 0P	8500 9800	7	11N	79 W 85 W	1950 1936	2,3,4,5	1,6
GREYBULL RIVER									Park View Rock Creek	6J2	9200 9800	2 <u>Ĺ</u> 5	5N 17N	78W 79W	1936 1960	2,3,4,5	1
Frontier Needle Kirwin 9	9E6 9F19A	10000	28 13	47N 45N	107A 107A	1961 1960	2,3,4	1	Ryan Park Webber Spring	6H6A 6H9M	8 <u>1</u> 00	34 27	14n	81 W 85 W	1936 1936	2,3,4,5	1,6
Wood River #2 Timber Creek #2	9£15 9£3	8000 8800	28 25	<u>Ц</u> 6н Ц7н	103W 103W	1956 1955	2,3,4,5	1	Willow Creek Pass	6J5	9500	T	Ти	78W	1938	2,3,4,5	
SHOSHONE RIVER									CHEYENNE RIVER								
Carter Mountain	9ЕДМ	7800	!5	50N	103W	1957	1,2,3,4	1	Terry Peak sd Upper Spearfish sd	3E2	7000 6500	21	ДN ЗN	1E	1944 1960	2,3,4	4,4
East Entrance Sylvan Pass	9E5#P	7000 7100	山 281		110 001	19 <u>1</u> <sub>1</sub> 8 1936	1,2,3,4,5	2			COLOR	AOO PIVE	R ORAIN	NGE			
Yount's Peak	9F18A	8500	43 561		109 491	1960	2,3,4	1	GREEN RIVER above	GREEN RIVE	R.						
NOWOOD CREEK	7514	2000		Leu	05***				Big Sandy Opening	969P	9220	17	31N	104w	1961	2,3,4,5	1.4
Bear Trap Canyon Creek	7F1A 7F2	8000 7 <u>L</u> 00	16	45N 43N	85 W	1960 1960	2,3,4,5	i i	Blind Bull Summit Outch Joe R.S.	10G2A 9G5	8750 8700	6 32	31N	115W	19 <u>1.</u> 8 1936	2,3,4,5	1,4
Cold Springs Camp County Line	7E25 7E6	87000 8200	-	50N 48N	88 W 86 W	1956 1963	2,3,4,5		East Rim Oivide Elk Heart Park G.S.	10F17A 9F23P	9400	32 16	37N 35N	111W	1936 1961	2,3,4.5	1,4
Medicine Lodge Lakes Munkres Pass	7E2L4 7E8	9500 9700	7	51 N 48N	87 W 85 W	1956 1950	2,3,4,5	1	Gros Ventre Kendall R.S. #I	10F19#	7900	36 23	70N	IIIW	1948 1936	2,3,4,5	1,4
Onion Guich Tyrell R.S.	7E27M 7E35	8100 8300	31 30	70n	85 W 86 W	1956 1956	2,3,4,5	1	Kendall R.S. #2 Loomis Park #1	10F15 10F16	7900 8500	23 14	38N 37N	110W	1961 1936	2,3,4,5	1,4
West Tensleep Lake	7E26A	9075	33	50N	86 W	1956	2,3,4,5	i	Loomis Park #2 Mulligan Park	10F16 9G1	8500 8900	14 28	37N 35N	111W	1960 1936	2,3,4,5	1,4
SHELL CREEK									New Fork Lake North Horse Creek	9F2I 10G16	8325 8200	11 12	36N	117A 103A	1961 1961	2,3,4,5	1,4
Bold Mountain Beaver-Tongue Olvide	7E21 M	9600 9200	33 12	56N 55N	91 W	1956 1956	2,3,4,5	1,6 1,6	Piney LaBarge #1 Piney LaBarge #2	10010 10010	8820 8820	19 19	29N	114W	1937 1959	2,3,4,5	1,4
Bone Spring Oivide Granite Pass	7E18A 7E1 <b>7</b> P	9200 8950	32 19	55N 54N	89W 88W	1956 1956	2,3,4,5	1,6	Pocket Creek Poison Meadows	9G11 10G6A	9360 8500	19 29	32N 30N	105W	1961 1948	2,3,4,5	1,4
Ranger Creek Shell Creek	7E4 7E23A	8800 9600	32 12	53N 52N	88w 88w	1935 1956	2,3,4,5	1 1	Snyder Basin R.S. # Soda Lake	2 10G13/ 10G14	8300 8300	15 14	29N 33N	114W	1956 1955	2,3,4,5	1,4
PORCUPINE CREEK						,,	,,,,,,		Triple Peaks	10615		33	34N	115W	1956	2,3,4,5	1,4
Five Springs Falls	7E31	7500	19	56N	92 W	1956	2,3,4,5	1.	GREEN RIVER below G							0715	
Medicine Wheel TONGUE RIVER	7E30	9000	514	56N	92 W	1956	2,3,4,5	1,6	Big Park Black's Fk Junc. u	10011	8700 8925	7 33	27 N 3 N	117W	1951 1961	2,3,4,5	1,4
Beaver-Tongue Olvide	7E20	9200	12	EEN	91₩	IOF4	2 2   5		Buck Pasture u East Fk Black's Fk		9300	14 25	1 N 2 N 1 O N	11 E 12 E 8 G W	1963 1961	2,3,4,5	1
Big Goose #2 Bone Spring Oivide	7E32M 7E18A	7700 9200	<u>L</u> 32	55N 53N	66w	1956 1955	2,3,4,5	1,6	Eik River c Hayden Fork u	1017	9300	6	IS	95 W	1936 1951	2,3,4,5	i
Burgess R.S. #2 Oome Lake #2	7E33P 7E34A	7900 8800	36 11	55N 56N	89 W 89 W 87 W	1956	2,3,4,5	1,6	Henry's Fork u Hewinta R.S. u	107f	9500	5 33 24	3N	14E 13E	1963	2,3,4,5	1
Geneva Pass Gloom Creek	7E37A 7E14A	10600	30 32	53N 52N	86 W 87 W	1955 1950 1961	2,3,4,5	1,6	Hickerson Park u Hole-in-the-rock u	9,18	9100 9150	13	2N 2N	17E 15E 16E	1961 1931	3,4,5	
Granite Pass Sibley Lake	7E17P	8950 8000	19	55N 54N 55N	88W 87W	1956 1956 1956	2,3,4,5	1,6 1,6	Hole-in-the-rock G\$ Kelly R.S. Lake Fork Basin u	10612	8200	32 13	3N 26N	118W	1954 1951 1962	2,3,4,5	,4
Steamboat Point Sucker Creek	7E10 7E12A	7500 9000	32 19	55N 56N 55N	87 W 87 W	1956 1956	2,3,4,5 2,3,4,5 2,3,4,5	1,6	Middle Beaver Creek Old Battle	и 10 <b>J</b> 2 и 10 <b>J</b> 2 6н10Р	8550 9800	13 31 20	1S 3N 1払N	16E 85W	1954	2,3,4,5 4 2,3,4,5	1.
Wood Rock G.S.	7E13	8500	3	54N	88W	1956	2,3,4,5	1,6	Steel Creek Park u Spirit Lake u	10J20		29 8 10	1ДN 2N  N	13E 17E	1962 1961	2,3,4,5	
USDA SCS LINCOLN. NE	BR. 1962								Trial Lake u	1018b	9800	5	25	9E	1931	1,2,3,4	.5 i

DRAINAGE BASIN	WYOMING	SEC.		RANGE	RECORD	MEAS. A	MEAS.
ANO COURSE NAME	NUMBER ELEV.	LAT.	TWP.	LONG.	BEGAN	DATES a E	BY b
	COLUME	BIA RIVER	ORAINA	GE			
SNAKE RIVER BASIN (A	bove Jackson Lake	<del>-</del> )					
Arlzona	10FI 6850	35	46N	115₩	1919	2,3,4	5
Astor Creek	10E8 7700	U4 17'		110 37	1919	2,3,4	5
Base Camp	10F2 6900	20	Цби	113W	1947	2,3,4	5
Coulter Creek	10E10 7600	44 09 1		110 331	1919	2,3,4	2
Glade Creek	10E13 7200	11 08 i		110 14	1919	2,3,4	5
Grassy Lake	10E15HP 7265	6	<u> 1</u> 8N	116W	1940	2,3,4,5	5
Huckleberry Oivide	10E14 7300	32	78N	115W	1919	2,3,4	555255555555
Lewis Lake Divide	10E9 7900	Щ 13°		110 401	1919	2,3,4,5	5
Moran	10FLMP 6800	8,17	45N	117A	1919	2,3,4	5
Moran Bay	10F3 6800	14	45N	116W	1919	2.3.4	5
Snake River Station	10E12MP 6780	TT 081		110 401	1919	2.3.4	5
Thumb Oivide	1027 7900	14 22 1		110 35 1	1951	2,3,4	5
JACKSON LAKE TO PAL	ISA0ES						
Afton R.S.	1064 6200	30	32 N	118W	1936	1,2,3,4,5	4
Blackrock	10F7 8600		ĹĿN	HILW	1936	2,3,4	5
Blind Bull Summit	10G2A 8750	4	34N	115W	1948	2,3,4	i i
Bryan Flat	10FIL 6250	9	38N	115W	1936	1,2,3,4,5	1
CCC Camp	1067 7500	9 9 25	29N	118W	1936	1,2,3,4,5	1,4
Cottonwood Lake	10G5A 7500	25	3IN	118W	1936	2,3,4	1
Deadman Ranch	10GIA 6534	32	35N	116W	1936	2,3,4	1
East Rim Oivide	10F17MP 7950	32	37 N	TITW	1936	1,2,3,45	1,4
Four Mile Meadows	10F6 7770	35	45N	112W	1936	2,3,4,5	5
Grey's Boundary	10F18 5800	33	37N	118W	1936	1,2,3,4,5	1,4
Gros Ventre	10F19 8750	36	TON	TITW	1948	2,3,4,5	1
Grover Park Oivide	1063 7500	27	33N	118W	1936	1,2,3,4,9	, 1,4
Loomis Park	10F16 8500	14	37N	THÍW	1936	2,3,4,5	1,4
Poison Meadows	1066 8500	29	30N	116W	1949	2,3,4,5	1,4
Teton Pass #2	10F13 8500	24	4IN	118W	1936	1,2,3,4,5	
Togwotee Pass	10F9MP 9600	29	ЦĻN	HOW	1936	2,3,4,5	5
Turpin Meadows	10F5 6930	14	45N	112W	1936	2,3,4	5
Yellowjacket	10F10 7675	33	42N	112₩	1936	2,3,4,5	
Salt River Summit	1068MP 7900	32	29N	1184	1948	1,2,3,4,	
Snow King Mtn. #3	10F20M 7600	4	Ton	116W	1959	Semi. Mo.	. 1
BEAR RIVER							
Big Park	10611 8700	7	27N	117W	1951	2,3,4,5	1,4
CCC Camp	1067 7500	9	29 N	118W	1936	2,3,4,5	1,4
Goodman Ranch u	1016 7900	19	3N	105	1937	4 -	!
Hayden Fork U	1017 9300	1	15	9E	1951	4.5	- !
Head of Bear River	u 10J5 8600	15	2N	108	1935	4 7 1 5	- 1
Kelly R.S.	10G12P 8200	13	26N	118M	1951	2,3,4,5	1.4
Lake Fork Basin u	10J25A 11100	13	15	HE	1962	2.3,4,5	
Monte Cristo R.S. u		3	8N	4E	1930	3,4,5	
Poison Meadows	1066 8500	29	30N	116W	1948	2,3,4,5	1,4
Salt River Summit	10G8MP 7900	32	29N	118W	1948	2,3,4,5	
Trial Lake u	toJ8P 9800	5	25	9E	1931	1,2,3,4,	יכ

LOCATION

a. Numerals 1,2,3,4 and 5 refer to January 1, February 1, March 1, April 1, and May 1.
b. Numerals refer to Agency that secures the snow survey, as follows:
1, Soil Conservation Service.
2, U, S. National Park Service.
3, U, S. Indian Service.
4, U, S. Forest Service.
5, U, S. Bureau of Reclamation.
6, Wyoming State Engineer.
7, Aerial Snow Oepth Gage
8, Soil Moisture Stack
9, Pearson Storage Gage

## FEDERAL STATE COOPERATIVE

SNOW SURVEYS AND WATER FORECASTS

FOR

WYOMING

Issued February I, 1964

Report Prepared
by
George W. Peak
Snow Survey Supervisor
and
Tommy A. George
Assistant Snow Survey Supervisor
State of Wyoming

Soil Conservation Service 345 East 2nd Street P. O. Box 340 Casper, Wyoming 82602

Issued by

B. H. Hopkins State Conservationist Soil Conservation Service Floyd Bishop State Engineer of Wyoming Cheyenne, Wyoming



# WATER SUPPLY OUTLOOK FCR WYOMING

### February I, 1964

\* The Wyoming snow course network is less than normal for this time of year. However, the mountain soil is close to average and evaporation in the exposed alpine snow pack is less than the usual amount. \* \* \* Anticipated yields from snow melt range from 70 percent of average \* in southern Wyoming to 90 percent in the western and northern \* watersheds. These forecasts are based on the assumption that sub-\* sequent storms between now and the April 1 snow survey will follow \* a normal pattern. \* \* 

THE NORTH PLATTE RIVER BASIN - The April I to September 30, 1964 runoff is forecast at 64 percent of normal at the Wyoming-Colorado State-line; 69 percent coming in from the Encampment River watershed and 80 percent of average flow from the Snowies. The total yield at Saratoga adds up to 465,000 acre feet, or 70 percent of the average seasonal supply.

The outlook for the Laramie at Jelm is 75 percent and for the Medicine Bow near Hanna, 75 percent.

The North Platte Reservoir system is standing at 73 percent of the 15year average amount for February I, and 24 percent of capacity.

THE COLORADO RIVER BASIN - is also slightly below normal. The Green River at Warren Bridge is estimated at 90 percent, feeder watersheds, downstream, will contribute 90 percent from North Piney Creek and the New Fork River, and 85 percent from the Big Sandy for a computed figure of 89 percent at Green River, Wyoming.

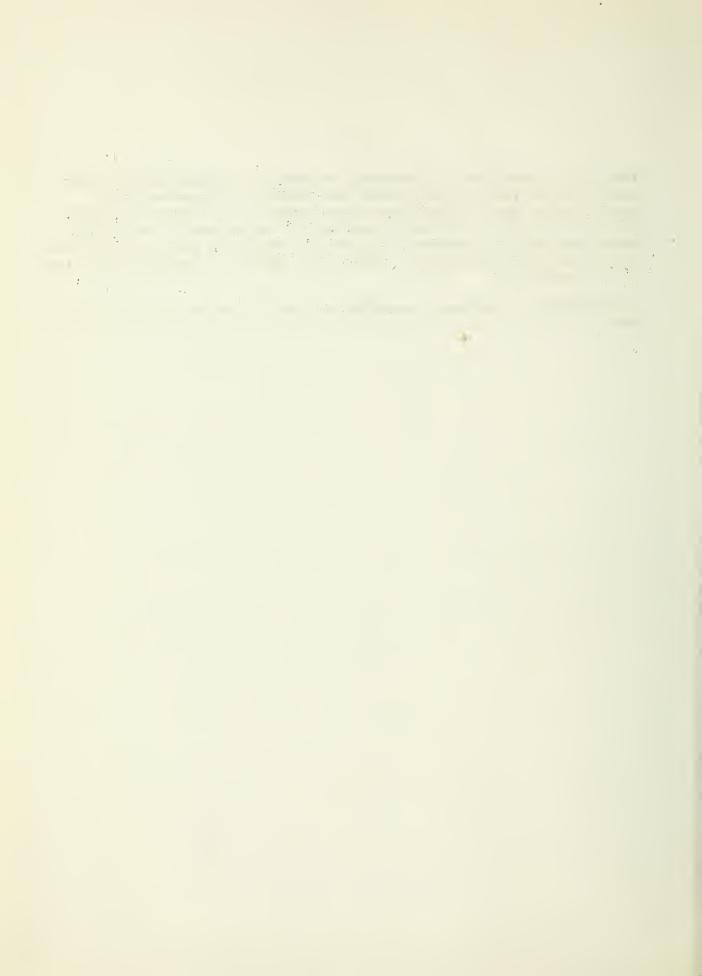
THE LOWER YELLOWSTONE BASIN - is storing a snow pack which will release 91 percent of normal at DuBois, 95 percent into Bull Lake, and 85 percent from the Popo Agie drainage.

The Shoshone River Basin is expected to discharge 90 percent of the 15year average into Buffalo Bill Reservoir. From the west flank of the Big Horns, 85 percent to normal flows will enter the Big Horn River.

, . . . . Y 

THE COLUMBIA RIVER BASIN - watershed in Wyoming indicates seasonal water supplies of 89 percent into Jackson Lake Reservoir, 87 percent from Pacific Creek, and 2,455,000 acre feet of water, or 89 percent of normal snow melt runoff into Palisades Reservoir. From the south, the Grey's River snow pack will release 89 percent of its average supply to Palisades; and the Salt River correlation indicates 92 percent of average summer flow into the reservoir.

THE BEAR RIVER - drainage is expected to yield 89 percent from the Smith's Fork.



	Sangeral	Chann Claw in	September	
BASIN AND TRIBUTARY	Forecast	Stream-Flow in % 15 year	Measure	
	Runoff	`Average	1962	15- Yr. Avg. 1943-57
LITTLE POPO AGIE Lander (near)	36	84%	45	43*
NORTH POPO AGIE Milford (near)	64	87%	91	74*
BULL LAKE CREEK Lenore (near)	162	95%	203	170*
WIND RIVER DuBois (near)	91	91%	108	100*
TENSLEEP CREEK Tensleep (near)	67	84%	95	80
MEDICINE LODGE CREEK Hyattville (near)	18.8	97%	22	19.4
SHELL CREEK Shell (near)	55	86%	80	64
SHOSHONE RIVER Buffalo Bill Dam (below) (1)	766	90%	603	851
LARAMIE RIVER Jelm (near)	85	75%	1710	113
ENCAMPMENT RIVER Encampment (near)	107	69%	131	156
NORTH PLATTE RIVER Northgate (near) Saratoga (at)	163 465	64% 70%	433 975	255 661
MEDICINE BOW RIVER Hanna (near)	74	75%	145	99

All stream data taken from observed flow records with the following exceptions:

<sup>(!)</sup> Observed flow corrected for Buffalo Bill storage and Heart Mountain diversion.

<sup>(2)</sup> Observed flow corrected for Jackson Lake storage.

<sup>(\*)</sup> Less than 15 years record.
\*\* Estimated 1943-57 averages.

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### WYOMING SNOW SURVEYS - ABOUT FEBRUARY, 1964

			-		SNOW COVER	R MEASUR	REMENTS	
Drainage Basin	Number				64		PAST RE	CORD
and	or		Date	Snow	Water	Water	Content	(In.)
Snow Course	State	Elev.	of Survey	Depth (In.)	Content (in.)	1963	1962	1943-57 Avg. **
MADISON RIVER - YELL	OWSTONE	PARK						
Norris Basin : 21 Mile <sup>m</sup> West Yellowstone <sup>m</sup>	10E2 11E6 11E7	7500 7150 6700	1/30 1/29 1/30	36 48 32	8.5 11.0 6.8	7.3 6.4 3.8	8.4 15.0 7.4	6.9 13.0 8.8
UPPER YELLOWSTONE -	YELLOWST	ONE PARK						
Canyon Northeast Entrance <sup>m</sup> East Entrance : Lake Camp #1 Lake Camp #2 Lupine Creek Norris Basin : Sylvan Pass : Thumb Divide :	10E3 10D7MP 9E5MP 10E4 10E4 10E1 10E2 10E5 10E7	7750 7400 7000 7850 7850 7300 7500 7100 7900	1/30 1/31 1/30 1/30 1/31 1/30 1/31 1/29	Ц2 24 31 32 30 28 36 38 49	10.0 5.4 6.8 5.0 4.4 6.0 8.5 8.8 11.8	7.0 6.7 3.0 5.4 5.6 8.	7.0 7.8 7.8 7.3 10.4 8.4 9.8	10.4e 6.0* 8.1e 7.7e 4.3* 7.1e 7.1e 10.2e 15.9e
LOWER YELLOWSTONE -	CLARK'S	FORK						
Lodgepole	9EI	8200	1/30	32	6.7	6.6	7.2	6.7*
LOWER YELLOWSTONE -	WIND RIVE	R						
Big Warm Burroughs Creek Dinwoodie Dinwoodie Glaciers Dry Creek DuNoir Geyser Creek Little Warm Sheridan R.S. #2 T-Cross Ranch Togwotee Pass : Twenty Lakes :	9F12 9F10 9F17A 9F9 9F6 9F7 9F8 9F14 9F3 10F9MP 9F7A	8800 8800 10000 10000 9500 8750 8500 9500 7500 8000 9600	1/22 1/25 1/25 1/25 1/25 1/23 1/23 1/24 1/29	25 35 29 15 19 16 39 18 70 22 4	5.0 7.6 6.0 3.0 3.9 4.2 7.3 8.4 9.5 18.5	4.83 N.1.752 4.80 3.752 4.86 3.3.63	7.9 11.0 10.9 9.0A 5.9 7.6 6.8 14.4 6.4 5.3 21.6 9.0A	5.1* 10.0* 8.2* 4.3* 5.4* 5.3* 11.3* 5.55 20.6
LOWER YELLOWSTONE -	OWL CREEK	<u>&lt;</u>						
Kirwin # Owl Creek	9F19A 8F1	10000 8 <b>70</b> 0	N.R. 1/26	13	2.8	N.R. 2.2	7.5A 4.7	4.0*



### WYOMING SNOW SURVEYS - ABOUT FEBRUARY, 1964

ouateau pasta	Alexander and		SNOW COVER MEASUREMENT S 1964 PAST RECORD							
Drainage Basin	Number		Date	Snow	иater		Content			
and Snow Course	State	Elev.	of	Depth	Content	water		(In.) 943-57		
Show Course	Sidie	C164*	Survey	(In.)	(In.)	1963	1962	Avg.		
			<b>00.</b> VC)	(11.0)	(1)	1,00	1,70-	9		
LOWER YELLOWSTONE - F	OPO AGIE	RIVER								
Blue Ridge	8G2	9500	1/29	20	4.5	2.7	8.2	8.5*		
Bruce's Camp	8G5	6500	1/30	8	1.2	2.1	3.3	1.9*		
Hobbs Park	963	10000	1/27	33	7.8	7.4	13.1	12.8*		
Mosquito Park R.S.	9G4	9500	1/27	20	3.8	3.9	6.8	5.6*		
Sawmill Glade	8G1	8500	1/29	17	3.9	2.4	5.7	5.5*		
South Pass :	8G3MP	9000	1/29	27	5.8	3.2	10.6	10.2*		
St. Lawrence R.S.	9F11	9000	1/26	18	3.9	1.8	6.2	4.7*		
Trout Creek	9G2	8400	1/27	15	2.7	2.4	5.5	4.5*		
Twenty Lakes :	9G7A	10000	1/29	22A	4.5A		9.0A			
LOWER YELLOWSTONE - G	REYBULL	RIVER								
Frontier Needle	9E6	10000	N.R.				N.R.			
Kirwin ÷	9F19A	10000	N.R.				7.5A			
Timber Creek	9E3	8800	1/29	5	1.2	2.6	4.2	2.1*		
Wood River #2	9F15	8000	1/27	13	2.3	4.0	6.1	3.1*		
LOWER YELLOWSTONE - S	HOSHONE	RIVER								
Carter Mountain	ЭЕЦМ	7800	1/28	,		2.8	5.3			
East Entrance #	9E5MP	7000	1/31	6	1.6 6.8	6.7	7.8	8.1		
Sylvan Pass :	10E5	9200	1/31	31 38	8.8	5.6	9.8	10.2		
Togwotee Pass :	10F9MP	9600	1/30	70	18.3	13.6	21.6	20.6		
Younts Peak	9F18A	8500	N.R.	10	10.9	. , , , ,	N.R.			
LOWER YELLOWSTONE - N										
						er 1				
Bear Trap:	7F1A	8000	1/27	2LiA	4.5A	5.4e	10.1			
Canyon Creek ;	7F2	7400	2/3	26	4.8	5.5	10.0	C 14:		
Cold Springs Camp	7E25	8700	1/31	24	4.6	4.4	7.4	5.1*		
Medicine Lodge Lakes	7E24MP	95 <b>00</b>	1/31	34	7.2	7.7 4.7	11.6	7.9*		
Munkres Pass +	7E8	9700	2/2 2/1	27	5.0		9.5 10.2	<b>6.</b> 5* 6.7*		
Onion Gulch: Tyrell R.S.	7E27M 7E35	81 <b>00</b> 8300	2/1	28	4.8	5.4 5.5	8.2	4.5*		
West Tensleep Lake	7E26A	9075	2/1 1/27	31	5.0 10.5A	9.5A	12.5A	8. 1*		
weet tensieep cake	LLCOA	2017	1/61	45A	IO. JA	7.00	1-0//1	0, 1		



					SNOW COVER	MEASID	EMENTS	
Drainage Basin	Number			19	164 164		PAST REC	ORD
and	or		Date	Snow	Water	Water		(In.)
Snow Course	State	Elev.	of Survey	Depth (In.)	Content (in.)	1963	1962	943-57 Avg·**
LOWER YELLOWSTONE - SH	IELL CREE	K@						
Bald Mountain : Beaver Tongue Divide Bone Spring Divide : Granite Pass : Ranger Creek Shell Creek LOWER YELLOWSTONE - T	7E21 M 7E20 7E18A 7E17P 7E4 7E23A	9600 9200 9200 8950 8800 9600	1/28 1/28 1/27 1/29 1/30 1/27	45 48 444 35 30 40A	10.5 10.0 10.0A 7.9 5.5 9.5A	13.6 12.0 11.5A 8.9 6.9 9.5A	19.8 16.4 15.5A 14.3 9.0 15.5A	13.8* 12.7* 10.4* 11.0* 6.0e 10.0*
Beaver Tongue : Big Goose #2 Bone Spring Divide: Burgess R.S. #2 Dome Lake #2 Geneva Pass Gloom Creek Granite Pass : North Tongue Sibley Lake Steamboat Point Sucker Creek Wood Rock G.S.	7E20 7E32M 7E18A 7E33P 7E34A 7E37A 7E14A 7E17P 7E15 7E11 7E10 7E12A 7E13	9200 7700 9200 7900 8800 10600 9300 8950 8800 8000 7500 9000 8500	1/28 1/31 1/27 1/29 1/27 1/29 1/30 1/30 1/30	48 18 144 22 20A 41A 30A 35 32 31 22 29A 26	10.0 3.8 10.0A 4.0A 9.5A 6.5A 7.8 6.5 5.1 6.8	12.0 4.6 11.5A 5.1 8.0A 9.0A 10.5A 8.9 7.6 6.8 5.2 7.5A 6.0	16.4 8.5A 15.5A 13.5A 13.5A 14.3 10.9 6.0A 10.3	12.7* 5.2* 10.4* 5.1* 6.1* 8.3* 11.0* 6.9* 4.7* 7.2*
LOWER YELLOWSTONE - P	ORCUPINE	CREEK						
Five Springs Falls Medicine Wheel	7E31 7E30	7500 9000	1/31 1/29	18 35	4.0 8.2	7.8 12.5	4.2	4.1* 10.3*
LOWER YELLOWSTONE - P	OWDER RI	VER						
Bear Trap : Canyon Creek : Clouds Peak Muddy Creek G.S. Munkres Pass : Onion Gulch : Soldier Park Sour Dough	7FIA 7F2 7E36A 6E2 7E8 7E27M 7E5	8000 7400 10000 7500 9500 8100 8700 8500	1/27 2/3 1/27 2/1 2/2 2/1 2/2 2/1	24A 26 18A 13 27 28 17	4.5A 4.8 4.0A 2.0 5.8 2.9 3.5	5.4e 5.5 3.5A 2.4 4.7 5.4 3.6	10.1 10.0 11.0A 4.4 9.5 10.2 5.5 7.3	2.9* 6.1e 6.7* 3.6e 4.3e



### WYOMING SNOW SURVEYS - ABOUT FEBRUARY, 1964

					SNOW COVE	R MEASUE	REMENTS	
Drainage Basin	Number			19	6Li	1 111271001	PAST REC	ORD
and	or		Date	Snow	Water	Water	Content	(In.)
Snow Course	State	Elev.	of	Depth	Content			943-57
			Survey	(In.)	(In.)	1963	1962	Avg.
NORTH PLATTE - LARAN	ME RIVER							
Albany : Brooklyn Lake #2 Cameron Passc : Chambers Lakec Deadman Hill Evans : Foxpark : Hairpin Turn #2 Hairpin Turn #3 LaBonte : Libby Lodge Lost Lakec Pole Mountain #2 : Roachc : Rock Creek :	6HIIA 6HIMP 5JI 5J2 5J6 6HI5 6HI2P 6H2 6H2 5G2 6H3 5J12A 6HILA	9400 10200 10300 9000 10300 9000 9200 9500 9500 8450 8700 9800 9800	N.R. 2/1 1/29 2/1 1/29 N.R. Discor 2/1 1/29 2/1 1/31 N.R. 1/29	38 45 19 34 23 10 28 13 22 23 44	9.6 12.2 2.8 7.5 4.8 6.5 4.7 4.7 0.9	N.R. 6.0 N.R. 2.3 N.R. 3.4 2.4 2.8 4.3 1.5 4.2 2.3 N.R. 4	12.0A 16.4 21.2A 7.4 16.8A 11.0 7.9 8.3 11.2 5.6 10.2 3.1 N.R. 23.0A	8.3e 14.3e 13.6e 5.6e 8.8 4.7 8.2* 4.7e 7.4 3.2
NORTH PLATTE - ABOVE	SEMINOE F	RESERVOIF	2					
Albany * Bottle Creek Boxelder #2 * Cameron Passc * Casper Mountain * Columbinec Evans * Foxpark * LaBonte * North Barrett Creek North French Creek Northgatec Old Battle *	6HIIA 6H8 5GI 5JI 6GIMP 6J3 6HI5 6HI2P 5G2 6H5AM 6H4AP 6J7 6HI0P	9400 8200 9000 10300 8700 9300 9000 9200 8450 9400 10200 8500 9800	N.R. 1/29 1/30 1/29 1/31 1/29 1/29 1/29 1/29	25 11 45 32 39 23 54A 56A 14 52	5.3 3.8 12.4 9.2 9.4 8 2.5 14.0 12.5	N.R. 7.1 2.6 N.R. 4.9 7.9 3.4 1.5 N.R. N.R. 2.3	12.0A 10.8 7.4 21.2A 13.0 18.4 11.0 7.9 5.8 15.5A 22.5A 6.8 22.4	8.3* 9.0 13.6* 7.8* 15.3e 4.1 4.1e 11.3 17.2* 3.8* 20.0
Park View <sup>c</sup> Roach <sup>c</sup> * Rock Creek * Ryan Park Webber Spring Willow Creek Pass <sup>c</sup>	6J2 6H ILIA 6H6A 6H9M 6J5	9200 9800 9800 9800 8400 9000 9500	1/27 N.R. 1/29 1/29 1/29	20 Lilia 26a 33 24	3.8 11.0A 6.0A 7.7 4.6	3.3 N.R. 4.3 N.R. 9.2 4.0	7.2 N.R. 23.0A 12.0A 13.4 11.0	6.0* 11.2 6.5 11.6 7.8*



WYOMING SNOW SURVEYS - ABOUT FEBRUARY, 1964

					SNOW COVE	R MEASI	JREMENTS		
Drainage Basin	Number			the street of the street of	64		PAST RE	the same of the sa	
and	or		Date	Snow	Water	Water	Content	(In.)	
Snow Course	State	Elev.	of Survey	Depth (In.)	Content (In.)	1963	1962	1943-57 Avg.**	
NORTH PLATTE - CROW C	CREEK								
Pole Mountain	5H1	8700	1/31	8	0.9	2.3	3.1	3.2*	
NORTH PLATTE - SWEETWATER									
Grannier Meadows Larsen Creek South Pass	8GL; 9G6A 8G3MP	9000 9000 9000	1/29 1/29 1/29	29 30A 27	5.9 6.0A 5.8	3.1 N.R. 3.2	11.1 9.8 10.6	10-2* 7.3* 10-2*	
NORTH LARAMIE MOUNTAI	NS								
Boxelder #2 Casper Mountain LaBonte	5G1 6G1MP 5G2	9000 8700 8450	1/30 1/31 1/29	11 26 13	2.8 6.7 2.5	2.6 4.9 1.5	7.4 13.0 5.8	7.8* 3.9*	
GREEN RIVER ABOVE GRE	EN RIVER								
Big Sandy Opening Blind Bull Summit Dutch Joe R.S. East Rim Divide Elk Heart Park G.S. Gros Ventre Kendall R.S. #1 Kendall R.S. #2 Loomis Park #1 Loomis Park #2 Mulligan Park New Fork Lake North Horse Creek Piney LaBarge #1 Piney LaBarge #2	969P 1062A 965 10F17MP 9F23P 10F19A 10F15 10F16 10F16 10F16 10F16 10G10 10G10	9220 8750 8700 7950 9400 8750 7900 7900 8500 8500 8500 8325 8200 8820	1/27 2/27 1/29 1/29 1/29 1/29 1/29 1/27 1/27	35 53 37 37 37 32 44 42 32 45 55 55	7.5 14.6 5.4 5.7 8.7 8.7 8.7 9.0 9.6 8.4 11.4 13.6	5.1 10.0A 3.5 4.8 3.5 4.1 10.9 8.5 7.2 9.6 8.5 8.5 9.6 8.5 9.6 8.5	11.4 21.0A 10.0 10.6 14.3 12.0A 9.5 12.4 16.2 15.8 11.8 18.7 18.9 22.5	5.9* 7.7* 8.2* 6.4* 11.4* 7.8*	
Pocket Creek Poison Meadows Snyder Basin #2 South Pass Soda Lake Triple Peaks	9G11 10G6A 10G13MP 8G3MP 10G14 10G15	9360 8500 8040 9000 8300 8500	1/28 2/2 1/27 1/29 1/28 1/28	33 65A 45 27 40 55	7.1 17.5A 10.2 5.8 9.4 14.7	3.2 15.0A 4.2 3.2 7.1 9.6	12.4 30.0A 16.7 10.6 15.7 22.1	10.4* 10.2* 14. •* 19.0*	



					SNOW COVER			
Drainage Basin	Number				16L <sub>4</sub>		PAST REC	The state of the s
and	or		Date	Snow	Water	Water	Content	(In.)
Snow Course	State	Elev.	of	Depth	Content		( 0	1948-62
	-		Survey	(In.)	(In.)	1963	1962	Avg. **
GREEN RIVER BELOW GR	EEN RIVER							
Big Park	10G11	8700	1/21	1.0	10 /	1: 7	18.5A	
Buck Pasture	10J23A	9700	1/31 N.R.	48	12.6	4.7 5.0A	N.R.	
Elk River	614	8700	1/28	43	9.0	7.1	15. IA	10.0
Henry's Fork	10J2LjA	10200	N.R.	40	9.0	N.R.	N.R.	10.8
Kelly R.S.	10612	8200		48	13.4	3.8	16.9	
Old Battle	6H10P	9800	1/31	52		12.9	22.4	00.0
Steel Creek Park	10J20A	9900	1/29 N.R.	75	12.5	2.LA	•	20.0
Sieer Creek Fark	IOJZOA	9900	N.K.			€.UA	N.R.	
MACKSON TAKE TO BALL	CADEC							
JACKSON LAKE TO PALI	SADES							
Afton R.S.	1 OGL	6200	1/30	21	1. 7	2.7	5.1	3.8
Base Camp	10F2	6900	1/28		4.7 12.8	8.6	13.3	13.2
Blackrock	10F7	8600	1/30	52 54		9.1	14.8	15.7
Blind Bull Summit	10G2A	8750	2/2	56	13.5 14.0A	10.0A	21.0A	1911
Bryan Flat	10F14	6250	1/30	53A		2.3	9.7	7.0
CCC Camp	10G7	7500	1/30	26	4.7 8.0	5.0	9.3	8.3
Cottonwood Lake	10G5A	7500	2/2	36		5.5A	17.5A	0. 9
Deadman Ranch	IOGIA	6534	2/2	50A	13.0A	5. OA	10.0A	6.2
East Rim Divide	10F17MP	7950	1/30	26A	5.0A	4.8	10.6	6.4*
Four Mile Meadows	10F6	7770	1/30	30 1.0	5.8	6.3	10.1	9.8
Greys Boundary	10E18	5800	1/30	42	9.5		9.5	7.9
Gros Ventre	10F19A	8750	1/20	39	9.8	4.5 8.5A	12.0A	8.1*
Grover Park Divide	10G3	7500	2/2	37A	8.0A		10.5	
	1065 10F16		1/31	30	6.7	5.1	16.2	7.9
Loomis Park #1		8500 8500	1/29	لبل	10.1	10.1		11.1*
Loomis Park #2	10F16	8500	1/29	42	9.7	10.9	15.8	
Poison Meadows Salt River Summit	10G6A 10G8P	8500	2/2	65A	17.5A	15.0A	30.0A	10.0
	10G0P	7900	1/30	45 36 64	10.3	5.6	13.0	10.2*
Snow King Mtn. #3		7600	1/31	<u>3</u> 6	7.9	6.9	14.3	00.0
Teton Pass #2	10F13	8500	1/31		17.7	8.5	26.2	20.0
Togworee Pass	10F9MP	9600	1/30 1/30	70	18.3	13.6	21.6	20.6
Turpin Meadows	10F5	6930	1/30	35	7.9	4.9	8.5	8. !
MISSOURI - BELLE FO	URCHE							
Warren Peak	LEIP	64,00	1/21	20	4.8			
Bearlodge Divide	LE2P	4580	1/31 1/31	9	2.1			
234110090 014100	Licer	4,500	1/51	7	۷.1			



					SNOW COVER	MEASUR	REMENTS	
Drainage Basin	Number		Company and Associated	19	64.		PAST REC	ORD
and	or		Date	Snow	Water	Water	Content	(In.)
Snow Course	State	Elev.	of	Depth	Content		antinata - quanta sannintaga - 200-11	1943-57
		tinaken eli en grangan, gilon filiko	Survey	(In.)	(In.)	1963	1962	Avg.**
SNAKE RIVER ABOVE JACK	KSON LAKE							
Arizona	10F1	6850	1/29	50	12.5	5.7	14.1	12.5e
Astor Creek	10E8	7700	1/29	65	16.5	10.9	23.1	28.1e
Base Camp	10F2	6900	1/28	52	12.8	8.6	13.3	13.2e
Coulter Creek	10E10	7600	1/30	57	12.8	8.4	16.2	15.3e
Glade Creek	10E13	7200	1/29	52	12.9	9.0	17.5	15.2e
Grassy Lake	10E 15MP		1/30	74	19.7	14.3	25.6	22.9e
Huckleberry Divide	10E14	7300	1/29	52	12.9	6.6	14.9	12.7e
Lewis Lake Divide	10E9	7900	1/29	79	22.8	14.8	30.8	30.0e 8.6e
Moran Bau	IOFLIMP	6500 6800	1/28	ZiO	9.1	5.2	10.4	14.2e
Moran Bay Snake River Station	10F3 10E12MP		1/28	54	13.7 12.5	N.R. 8.3	17.3 15.9	13.9e
Thumb Divide #	10E7	7900	1/29	52 49	11.8	8.6	17.6	15.9e
tudup ptytoe &	1047	1900	1/29	47	11.0	0.0	17.0	17.7.0
BEAR RIVER								
Big Park ÷	10G11A	8700	1/31	48	12.6	4.7	18.5A	
CCC Camp #	10G7	7500	1/30	36	8.0	5.0	9.3	8. 3e
Monte Cristo R.S. U	11H15	8960	1/29	46	11.5	7.4	19.3	17.0e
Poison Meadows #	10G6A	8500	2/2	65A	17.5A	15. OA	30.0A	
Sait River Summit *	IOG8MP	7900	1/30	45	10.3	5.6	13.0	10.5e
Still Water Camp <sup>u</sup>	10117	9800	N.R.			N.R.	N.R.	
Trial Lake <sup>U</sup>	1018P	9800	N.R.			6.5	19.4	17.1e
Kelly R.S.	10G12MP	8200	1/30	48	13.4	3.8	16.9	
MISSOURI - CHEYENNE RI	VER							
Terry Peak <sup>S</sup>	3E2	7000				N.R.	N.R.	
Upper Spearfish <sup>S</sup>	3E I	6500				4.3	4.5	4.4e

<sup>\*.</sup> Average of all past data

c. Colorado snow courses

e. 1943-57 partially estimated

m. Montana snow courses

s. South Dakota snow courses

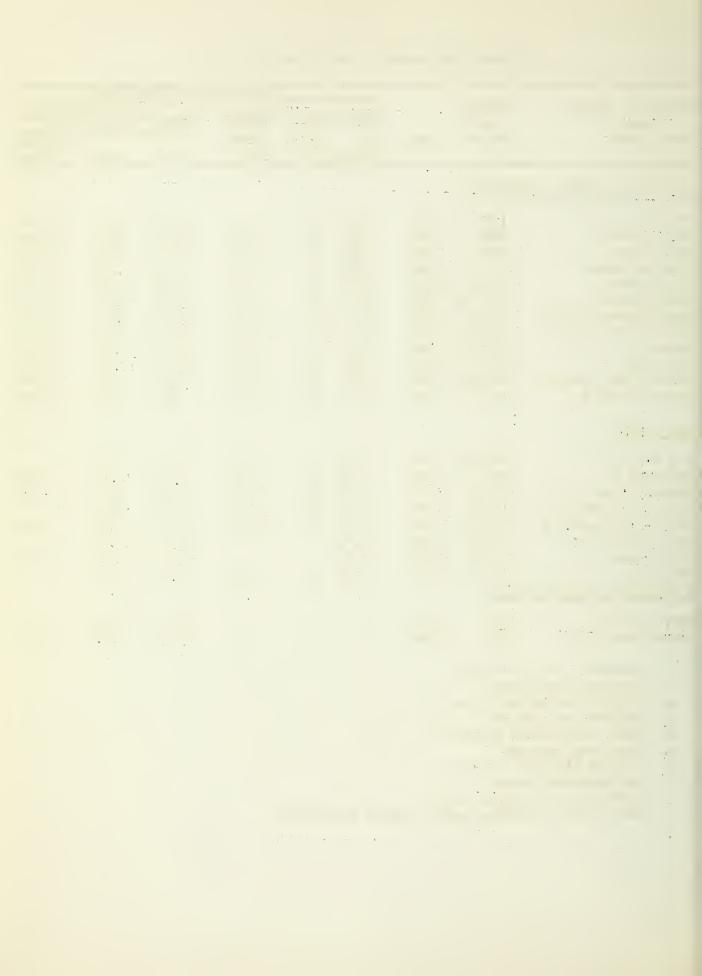
u. Utah snow courses

<sup>+</sup> Located close to divide

M. Soil moisture stack

P Pearson precipitation gage

A. Aerial stadia marker, water content estimated.

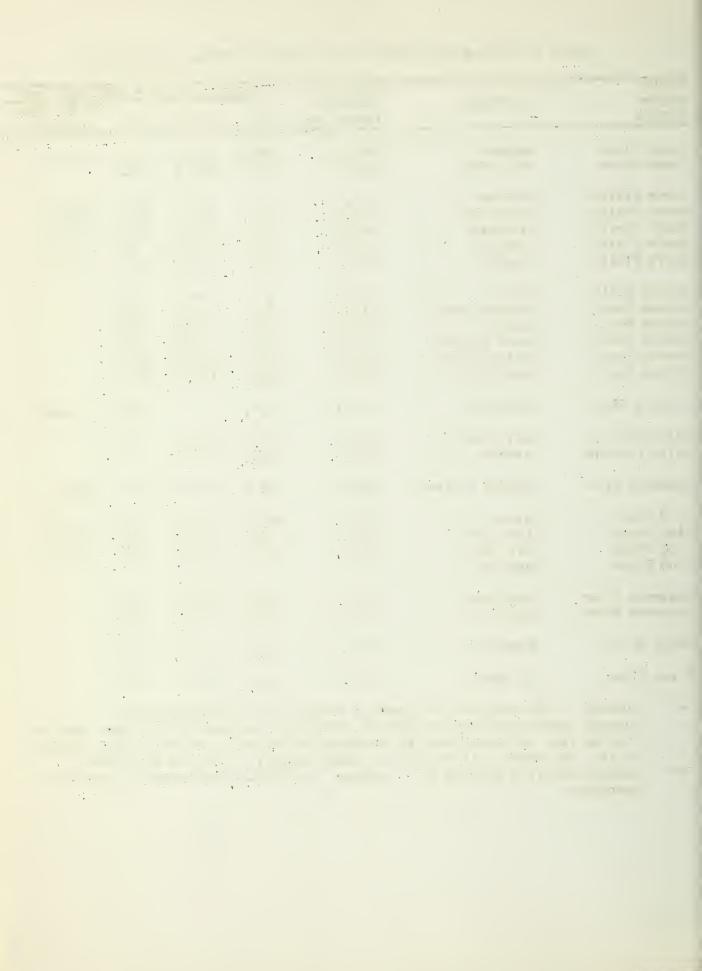


STATUS OF WYOMING AND SOUTH DAKOTA RESERVOIR STORAGE-FEBRUARY, 1964

BASIN		USABLE	USAB	LE STORA		1000 Acre Feet			
and/or	RESERVOIR	CAPACITY		_		15-Yr. Avg.			
STREAM		1000's AF	1964	1963	1962	1943-57			
Snake River	Jackson	847.0	632.8	553 <b>.7</b>	114.2	472.9			
Snake River	Palisades	1,200.0	N.R.	909.3	525.1				
North Platte	Seminoe	981.8	289.1	310.8	164.9	443.5			
North Platte	Pathfinder	1,011.0	113.1	541.1	151.6	472.5			
North Platte	Alcova**	190.5	-4.4	156.4	159.1	119.2			
North Platte	Gurrnsey	39.8	5.6	12.8	8.0	35.2			
North Platte	Glendo	786.3	291.5	325.1	280.9	329.9			
Kansas Basin	Bonny	39.9	38.7	38.2	37.6				
Kansas Basin	Swanson Lake	116.1	94.3	112.9	33.45				
Kansas Basin	Enders	36.0	24.8	26.5	28.5				
Kansas Basin	Harry Strunk	33.9	33.6	32.9	29.6				
Kansas Basin	Harlan County	252.9	250.9	355.0	318.7				
Kansas Basin	Cedar Bluff	176.8	170.0	173.1	177.5				
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Laramie River	Wheatland	95.0	N.R.		45.9	19.3e			
Belle Fourche	Belle Fourche	185.2	124.3	141.3	21.3				
Belle Fourche	Keyhole	190.3	70.6	59.7					
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Shoshone River	Buffalo Bill***	439.8	160.5	174.7	180.3	244.6			
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Wind River	Boysen	560.0	305.6	340.5	162.3	474.8*			
Wind River	Pilot Butte	31.6	9.4	13.5	10.6	11.2			
Wind River	Bull Lake	152.0	108.6	95.6	88.7	70.7			
Wind River	Sunshine			47.4					
Cheyenne River	Angostura	92.0	68.0	74.3	4.9				
Cheyenne River	Deerfield	15.1	14.0	7.1	3.5				
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Grand River	Shadehill	84.0	31.9	42.7	28.2				
		-0							
Green River	Big Sandy	38.3	12.0	N.R.	6.4				

Average is for less than 15 years of record in the 1948-62 period. Alcova, downstream from Seminoe and Pathfinder includes 160,170 acre feet of storage that is unavailable to the Kendrick Project. In the future, storage in this reservoir will be held at usable capacity, (190,500 acre feet).

Usable capacity, 439,800 A.F., however, 59,500 A.F. are inactive except in \*\*\* emergency.



# Agencies Cooperating in Wyoming Snow Surveys

#### FEDERAL

U. S. Department of Agriculture Forest Service Soil Conservation Service

U. S. Department of Commerce Weather Bureau

U. S. Department of the Interior Bureau of Reclamation Geological Survey National Park Service Indian Service

#### STATE

State Engineer of Wyoming

University of Wyoming
Natural Resources Research Institute
Department of Agricultural Engineering

#### PRIVATE

Wheatland Irrigation District Greybull Valley Irrigation District Clouds Peak Soil & Water Conservation District Cody Soil & Water Conservation District Dubois-Crowheart Soil & Water Conservation District Greybull Valley Soil & Water Conservation District Lake DeSmet Soil & Water Conservation District Laramie Rivers Soil & Water Conservation District Little Snake River Soil & Water Conservation District Medicine Bow Soil & Water Conservation District Pinedale Soil & Water Conservation District S & E Soil & Water Conservation District Shell Valley Soil & Water Conservation District Shoshone Soil & Water Conservation District Tongue River Soil & Water Conservation District Washakie Soil & Water Conservation District Wheatland Soil & Water Conservation District Powder River Soil & Water Conservation District Pavillion & Wind River Soil & Water Conservation District Powell-Clarks Fork Soil & Water Conservation District Bridger Valley Soil & Water Conservation District

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